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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,415	02/28/2002	Atsushi Isozaki	111925	8710
25944 7590 03/15/2007 OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			EXAMINER GRANT II, JEROME	
			ART UNIT 2625	PAPER NUMBER
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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER
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20070313

DATE MAILED:

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Commissioner for Patents

The following Supplement to the Examiner's Amendment is submitted to correct a spelling error in the Examiner's Amendment which was mailed on March 6, 2007.

**JEROME GRANT
PRIMARY EXAMINER**

Jerome Grant II

Supplemental Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott Schulte on December 21, 2006.

In the claims:

1. (Amended by the Examiner) A gear changing device, comprising:
 - a drive motor rotatable in a forward direction or a reverse direction;
 - a sun gear that is rotated by the drive motor;
 - a planetary gear that is constantly engaged with the sun gear;
 - a rotating member that is concentric with the sun gear and rotates in a same direction as the sun gear when the sun gear rotates in the forward direction, so as to pivotally rotate the planetary gear around the sun gear, and that stops rotating when the sun gear rotates in the reverse direction, so as to allow the planetary gear to rotate on an axis of the planetary gear to a plurality of predetermined positions on a path of the

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planetary gear where the planetary gear pivotally rotates, the rotating member being provided on a circumference thereof with a plurality of recesses and projections that are one of indented and protruded in a diametrical direction of the rotating member, the rotating member alternately disposing the recesses and projections, each having a specific width;

a plurality of transmission gears that are engaged with the planetary gear at the predetermined positions on the path of the planetary gear where the planetary gear pivotally rotates; and electronic sensor switch that detects the recesses and the projections at a fixed position.

6. (Amended by the Examiner) a Communication apparatus that performs communication with a remote communication apparatus, comprising:

a gear changing device, including;

a drive motor rotatable in a forward direction or a reverse direction;

a sun gear that is rotated by the drive motor;

a planetary gear that is constantly engaged with the sun gear;

a rotating member that is concentric with the sun gear and rotates in a same direction as the sun gear when the sun gear rotates in the forward direction, so as to pivotally rotate the planetary gear around the sun gear, and that stops rotating when the sun gear rotates in the reverse direction, so as to allow the planetary gear to rotate on an axis of the planetary gear to a plurality of predetermined positions on a path of the planetary gear where the planetary gear pivotally rotates, the rotating member being provided on

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a circumference thereof with a plurality of recesses and projections that are one of indented and protruded in a diametrical direction of the rotating member, the rotating member alternately disposing the recesses and projections, each having a specific width;

a plurality of transmission gears that are engaged with the planetary gear at the predetermined positions on the path of the planetary gear where the planetary gear pivotally rotates; and electronic sensor switch that detects the recesses and the projections at a fixed position; and wherein the communication apparatus includes at least a transmission mode and a reception mode in association with the transmission gears.

Claim 18 (New) The gear changing device according to claim 1, wherein the electronic sensor switch sends an ON level signal or an OFF level signal.

Claim 19 (New) The communication apparatus according to claim 6, wherein the electronic sensor switch sends an ON level signal or an OFF level signal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Thurs. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore, can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Grant II 